

Comparisons of Job Characteristics

Focus Occupation: [Animal Breeders \(45-2021\)](#)

Associated Occupation: [Farmworkers, Farm, Ranch, and Aquacultural Animals \(45-2093\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 73

Focus Occupation: [Animal Breeders \(45-2021\)](#)

Associated Occupation: [Farmworkers, Farm, Ranch, and Aquacultural Animals \(45-2093\)](#)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Biology	3.7	7.2	9.5	>>	Current knowledge level is likely more than sufficient
Production and Processing	6.0	7.2	10.6	>>	Current knowledge level is likely more than sufficient
Food Production	2.1	6.8	6.4	0	Current knowledge level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 42

Focus Occupation: [Animal Breeders \(45-2021\)](#)

Associated Occupation: [Farmworkers, Farm, Ranch, and Aquacultural Animals \(45-2093\)](#)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation and Control	5.4	9.3	7.4	<	A higher skill level may be required
Operation Monitoring	6.6	9.3	7.5	<	A higher skill level may be required
Troubleshooting	4.5	7.5	4.4	<<	Extensive development of skills in this area may be required
Repairing	3.4	7.4	1.0	<<	Extensive development of skills in this area may be required
Equipment Selection	3.3	7.3	1.3	<<	Extensive development of skills in this area may be required
Equipment Maintenance	3.5	7.2	1.0	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 89			
Focus Occupation: Animal Breeders (45-2021) Associated Occupation: Farmworkers, Farm, Ranch, and Aquacultural Animals (45-2093)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Control Precision	6.6	11.0	7.1	<<	Extensive improvement in abilities may be required
Multilimb Coordination	6.0	10.5	8.3	<	Some improvement in abilities may be required
Static Strength	5.0	10.5	7.9	<<	Extensive improvement in abilities may be required
Arm-Hand Steadiness	6.8	10.2	9.0	<	Some improvement in abilities may be required
Trunk Strength	5.7	9.4	8.3	<	Some improvement in abilities may be required
Gross Body Coordination	3.9	7.7	5.9	<	Some improvement in abilities may be required
Response Orientation	4.0	7.5	4.9	<<	Extensive improvement in abilities may be required
Speed of Limb Movement	3.2	5.6	5.3	0	Current ability level may be sufficient
Spatial Orientation	2.7	5.5	4.0	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 96
Focus Occupation: Animal Breeders (45-2021) Associated Occupation: Farmworkers, Farm, Ranch, and Aquacultural Animals (45-2093)		
Work Activities	Exclusivity of Activity	
Administer injections	60	
Administer medications or treatments	46	
Build or repair pens, yards, or cages	92	
Clean rooms or work areas	30	
Construct, erect, or repair wooden frameworks or structures	73	
Examine animals to detect illness, disease, or injury	81	
Feed or water animals	80	
Groom animals	85	
Identify livestock characteristics	81	
Maintain or repair farm vehicles, machinery, or mechanical implements	81	

Maintain production or work records	19
Operate agricultural equipment or machinery	81
Package goods for shipment or storage	62
Recognize disease or parasites in animals	72
Use animal disease control techniques	82
Use herbicides, fertilizers, pesticides or related products	71

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 87

Focus Occupation: Animal Breeders (45-2021)

Associated Occupation: Farmworkers, Farm, Ranch, and Aquacultural Animals (45-2093)

Tools and Technologies	Exclusivity
Computers	1
Content authoring and editing software	1
Data management and query software	1
Network applications software	1
Poultry and livestock equipment	33
Veterinary equipment	40

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.